

Title (en)  
EXCAVATOR INCLUDING UPPER SWING BODY HAVING FREE SWING FUNCTION

Title (de)  
BAGGER MIT OBEREM SCHWENKKÖRPER MIT FREIER SCHWENKFUNKTION

Title (fr)  
EXCAVATEUR COMPRENANT UN CORPS OSCILLANT SUPÉRIEUR AYANT UNE FONCTION D'OSCILLATION LIBRE

Publication  
**EP 3743563 B1 20240313 (EN)**

Application  
**EP 18902597 A 20180126**

Priority  
KR 2018001196 W 20180126

Abstract (en)  
[origin: WO2019146817A1] A system for enabling an upper swing body of construction equipment to swing freely. A working device is attached to the upper swing body to lift and move an object. A swing motor is connected to a power unit to swing the upper swing body. A controller is electrically connected to the working device and the swing motor to detect forces applied to the working device, and based on the detected forces, generating a control signal to control the swing motor so that the upper swing body swings freely. The system enables the upper swing body to swing freely to reduce energy consumption while ensuring safety when the upper swing body lifts a load.

IPC 8 full level  
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CPC (source: EP US)  
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